

Center for Advanced Infrastructure & Transportation Rutgers, The State University of New Jersey QUARTERLY PROGRESS REPORT

Project Title:	New Jersey State LTAP Technology Transfer Center (FHWA) 2008				
RFP NUMBER	: :	NJDOT RESEARCH PROJECT MANAGER: W. Lad Szalaj			
TASK ORDER 223 / 4-23049	NUMBER:	PRINCIPAL INVESTIGATOR: Dr. Ali Maher			
	Date: 01/01/2008 t Ending Date: 12/31/2008	Period Covered: 3rd Quarter 2008			

Task	Task	% of Total	Fix	ed Budget	% of Task	C	ost this	% of Task to	To	tal cost to
#					this quarter		uarter	date		date
1	Mobilization		\$	-	0.00%	\$	-	0.00%	\$	-
2	Maintain Contact Lists	3.18%	\$	6,828	25.00%	\$	1,707	75.00%	\$	5,121
3	Publish Newsletter	8.74%	\$	18,791	25.00%	\$	4,698	75.00%	\$	14,093
4	Distribute Technology Transfer Materials	3.75%	\$	8,064	15.00%	\$	1,210	75.00%	\$\$	6,048
5	Provide Information Service	16.00%	\$	34,414	25.00%	\$	8,604	75.00%	\$	25,811
6	Provide Training Courses	53.45%	\$	114,918	10.00%	\$	11,492	75.00%	\$	86,189
7	Evaluate Effectiveness of Program	5.81%	\$	12,481	25.00%	\$	3,120	75.00%	\$	9,361
8	Special Projects	9.07%	\$	19,504	10.00%	\$	1,950	60.00%	\$	11,702
9		0.00%			0.00%	\$	-	0.00%	\$	-
10		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
11		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
12		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
13		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
14		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
15		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
16		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
17		0.00%	\$	_	0.00%	\$	-	0.00%	\$	-
18		0.00%	\$	_	0.00%	\$	-	0.00%	\$	-
19		0.00%	\$	_	0.00%	\$	-	0.00%	\$	-
20		0.00%	\$		0.00%	\$	-	0.00%	\$	-
	TOTAL	100.00%	\$	215,000		\$	32,781		\$	158,325

Blue text is entered once at the beginning of the project

Green text is updated ever quarter

Black text is automatically updated or static



Project Objectives:

The New Jersey Local Technical Assistance Program (LTAP) has a mission to become an information clearinghouse to foster a safe, efficient, environmentally sound transportation system by improving the skills and knowledge of the transportation industry through technology transfer activities, such as training, technical assistance and dissemination of resources.

The objectives of this project are to continue to diversify and expand the customer base, deliver quality customer service, communicate the program values to partners and clients, and enhance the technology transfer network, through the activities of the New Jersey Local Technical Assistance Program (LTAP).

Project Abstract:

The New Jersey Local Technical Assistance Program (LTAP) will continue to maintain mailing lists, publish a monthly newsletter, provide technical assistance, provide training, and evaluate the effectiveness of the program on an ongoing basis throughout the project.

The technology transfer services of LTAP have been expanded to support the transportation industry through the promotion of best practices, new research, products, and proven technologies that are applicable to New Jersey roadways.

Center Name: New Jersey LTAP

Reporting Period: July 1, 2008 to September 30, 2008

Program Dashboard

Total number of training sessions:	<u>28</u>
Total number of participants:	<u>316</u>
Total number of participant hours:	<u>5,271</u>
Total newsletter circulation:	<u>11,529</u>
Total number of LTAP/TTAP FTEs:	2.5

Training Data

Safety

The Safety metric is divided into 2 categories: Highway Safety and Worker/Workplace Safety. Count the training your center conducted or had responsibility for conducting, such as training cosponsored with a partner.

Worker/Workplace Safety

Session Name	Session	I Intal # nt		Total # of participants					Total Participant	
Session Name	Length [hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours	
Pipe Operations Safety	6	1	50					50	300	
TOTAL	6	1	50		50	300				

Highway Safety

Session Name	Session Length Total # of		Total # of participants					Total # of	Total Participant	
Session Name	[hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours	
Work Zone Safety										
Awareness Program	6	1	10		2		13	25	150	
Traffic Control	0	ı	10				13	25	130	
Coordinator										
Program	32	1					7	7	224	
Proposed										
Changes to the MUTCD	2	1	15		5		45	65	130	
MUTCD Update										
for Public Works	3	1	20					20	60	
	3	l l	20					20	00	
TOTAL	43	4	45		7		65	117	564	

Infrastructure Management

Session Name	Session Total # of		Total # of participants					Total # of	Total Participant
Session Name	Length [hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours
Bridge Maintenance for									
Locals	6	1	49			1		50	300
Electrical Signal Design	12	2	57			1		58	696
TOTAL	18	2	106			2		108	996

Workforce Development

Cassian Nama	Session	Total # of Sessions	Total # of participants					Total # of	Total Participant
Session Name	Length [hours]		Local	Tribal	State	Federal	Other	Participants	Hours
Employee Performance and									
Discipline	3	1	17					17	51
National Summer Transportation									
Institute	7	20					24	24	3,360
TOTAL	10	21	17				24	41	3,411

Newsletter / Published Resources Data

Circulation

Name of	Circulation							
Newsletter	Local	Tribal	State	Federal	Other			
Just the CAIT	2,019	8	923	161	732			
LTAP FAX								

Number of Articles per Focus Area

Newsletter Issue		Safety		Workforce	Infrastructure
Newsietter issue	Highway	Worker	Work Zone	Development	Management
Volume 10,	1			4	4
Number 6	1			4	4
Volume 10,	2			1	r
Number 7	3			1	2
Volume 10,	1	2	1	2	2
Number 8	1	2	1	2	2

Materials Distribution Data

Material Types		Safety		Workforce	Infrastructure
	Highway	Worker	Work Zone	Development	Management
Publications	125	50	185	65	58
CDs					
Videotapes					
DVDs					
Downloads					
Others [insert]					
TOTAL:	125	50	135	65	58

Technical Assistance Data

Estimate the total percentage of time spent by your Center staff providing technical assistance during the past quarter: 30%

Activities Related to Program Stakeholders



	Rutgers, The	e State U	niversity of I	New Jerse	y	
Organization			Ac	tivities		
	# of times center distributed information for this organization (mail, e-mail, fax, etc.)	# of joint training sessions	# of joint conferences	# of joint special programs	# of articles reprinted in LTAP/TTAP newsletters from this organization	# of center staff participating in national program efforts
	!	Nat	ional Stakehol	ders		
FHWA (HQ, Resource Center)	5			1	3	2
AASHTO					1	
NACE						
APWA	5				5	2
TRB						1
Salt Institute						
		State	/Local Stakeho	olders		
FHWA Division						2
State DOT/govt	1			1		3
AASHTO Chapter						
NACE Chapter						1
APWA Chapter	5	2	1			2
ITE	2	2				2
		(Other Stakeholde	rs		
NJ Society of Municipal Engineers						1
NJ Div of Highway Traffic Safety		2				2
NJ Asphalt Pavement Assoc.	1				_	1
NJ WZS Partnership	2					2

A. Maintain Contact Lists

The email list was updated for current New Jersey Mayors.

Revisions/Deletions	Ongoing
Mayors Added to Email List by Invitation	August 2008

B. Publish Newsletter

3,843 individuals received each issue of the newsletter. Three issues of the newsletter were produced during this quarter. Electronic distribution of the newsletter occurred via e-mail.

Volume 10, Number 7	July 2008
Volume 10, Number 8	August 2008
Volume 10, Number 9	September 2008

C. Distribute Technology Transfer Materials

483 technical materials were distributed this quarter.

NJDOT Work Zone Safety Setup Guide	July-September 2008
Maintenance of Signs and Sign Supports for Local Roads & Streets	August 2008
New MUTCD Retro-reflectivity Requirements	September 2008

Ongoing

D. Provide an Information Service

Technical Assistance

Technical Assistance	Oligonig
GPRI Conference Planning Meeting	July 1, 2008
NLTAPA Executive Committee Meeting	July 7, 2008
National LTAP Conference	July 13-17, 2008
NJ Work Zone Safety Partnership Meeting	July 24, 2008
NJSTI Banquet	August 1, 2008
APWA NJ Executive Committee	August 6, 2008
Roadway Management Conference Planning Meeting	August 6, 2008
Pavement Management Systems Meeting w/NJDOT	August 15, 2008
NLTAPA Executive Committee Meeting	August 18, 2008
RSA Project Interview with FHWA	August 19, 2008
Alternative Fuels Roundtable	August 20, 2008
Rubber Asphalt Conference Planning Meeting	August 20, 2008



Northern Engineers Meeting	September 4, 2008				
Rutgers Paving Conference Planning Meeting	September 4, 2008				
TRB Tech Transfer Committee Mid-Year Meeting					
NLTAPA Executive Committee Meeting	September 9-10, 2008				
APWA NJ Executive Committee	September 17, 2008				
NJ Work Zone Safety Partnership Meeting	September 18, 2008				
RSA Peer Group Network Meeting	September 25, 2008				

E. Training

National Summer Transportation Institute	July 7- Aug. 1, 2008
Employee Performance and Discipline	July 17, 2008
Electrical Signal Design	July 31-Aug. 1, 2008
Traffic Control Coordinator Program	August 5-9, 2008
Work Zone Safety Awareness Program	September 9, 2008
Bridge Maintenance for Locals Workshop	September 16, 2008
Proposed Changes to the MUTCD	September16, 2008
Electrical Signal Design	September 17-18, 2008
MUTCD Update for Public Works	September 18, 2008
Pipe Operations Safety	September 24, 2008

F. Evaluate the Effectiveness of the Program

Course Evaluations	Ongoing
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July – September 2008 Quarterly Report September 2008

G. Special Projects

Interviews with NJDOT Research Customers	July-September 2008
Draft of 2004 and 2005 Implementation Study	September 2008

2. Proposed activities for next quarter by task:

A. Maintain Contact Lists

- The mail list will be continually be updated on an as needed basis.

B. Publish Newsletter

The NJ LTAP newsletter will remain on a monthly publishing schedule.

C. Distribute Technology Transfer Materials

Technology transfer materials will be distributed during training programs, and by request. The lending library is always available.

D. Provide Information Service

- Technical assistance will be provided in response to any inquiries made via telephone, fax, or e-mail.
- NJ LTAP staff will attend the League of Municipalities Conference November in Atlantic City, NJ.
- NJLTAP staff will coordinate the 2008 NJDOT Research Showcase.
- NJ LTAP staff will attend the 4th Annual New Jersey Safety Forum in December at Brookdale Community College.
- NJ LTAP staff will continue to serve as Representative of Region One to the National LTAP Association, as Chair of the Association's Internal Communications Workgroup, and on the NLTAPA Clearinghouse Committee and Professional Development Workgroup.
- NJ LTAP staff will continue to serve on various committees of professional organizations.

E. Provide Training Courses

Training programs are scheduled for the next quarter in the following areas:

Traffic Control Coordinator Program Work Zone Safety Awareness Program Road Scholar One Program Road Scholar Two Program Traffic Engineering Transportation/Infrastructure Seminars

- F. Evaluate Effectiveness of Program
- Evaluations will continue to be distributed at each program.
- A Stakeholder Committee meeting will be held in October 2008.
- A Steering Committee meeting will be held every other month and/or on an as-needed basis to review program activities and initiatives, as well as to set long-term goals.
- G. Special Projects
- Final Report of 2004 and 2005 Implementation Study results
- 4. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.

5. Problems/Proposed Solutions:

Year 1 Budget	\$215,000
Years 1 & 2 Cumulative Budget	
Years 1, 2 & 3 Cumulative Budget	
Total Project Budget	\$215,000
Modified Contract Amount:	\$
Total Project Expenditure to date	\$158,325
% of Total Project Budget Expended	73.64%

NJDOT Research Project Manager Concurrence: Date:	ce: Date:
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Center for Advanced Infrastructure & Transportation Rutgers, The State University of New Jersey QUARTERLY PROGRESS REPORT

	Q0111111111111111111111111111111111111	KOGKESS KEI OK I			
Project Title:	New Jersey State LTAP Technology Transfer Center (STATE) 2008				
RFP NUMBER	R: NJDOT RESEARCH PROJECT MANAGER:				
	W. Lad Szalaj				
TASK ORDER	NUMBER:	PRINCIPAL INVESTIGATOR:			
TO 223 4-2072	25	Dr. Ali Maher			
Project Starting	Date: 01/01/2008	Period Covered: 3rd Quarter 2008			
Original Project	et Ending Date: 12/31/2008				
Modified Completion Date:					

Task	Task	% of Total	Fixed Budget		% of Total Fixed Budget		% of Task	C	ost this	% of Task to	Tot	al cost to
#					this quarter		uarter	date		date		
1	Mobilization	0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
2	Literature Search	0.00%			0.00%	\$	-	0.00%	\$	-		
3	Maintain Contact Lists	0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
4	Publish Newsletter	0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
5	Distribute Technology Transfer Materials	0.84%	\$	504	0.00%	\$	-	0.00%	\$	-		
6	Provide Information Service	31.77%	\$	19,062	25.00%	\$	4,766	75.00%	\$	14,297		
7	Provide Training Courses	33.04%	\$	19,827	10.00%	\$	1,983	60.00%	\$	11,896		
8	Evaluate the Effectiveness of Program	1.19%	\$	712	25.00%	\$	178	75.00%	\$	534		
9	Special Projects	33.16%	\$	19,895	5.00%	\$	995	85.00%	\$	16,911		
10		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
11		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
12		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
13		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
14		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
15		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
16		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
17		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
18		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
19		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
20		0.00%	\$	-	0.00%	\$	-	0.00%	\$	-		
	TOTAL	100.00%	\$	60,000		\$	7,922		\$	43,638		

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Project Objectives:

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Program Dashboard

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Total number of participant hours:	<u>5,271</u>
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Total number of LTAP/TTAP FTEs:	2.5

Training Data

Safety

The Safety metric is divided into 2 categories: Highway Safety and Worker/Workplace Safety. Count the training your center conducted or had responsibility for conducting, such as training cosponsored with a partner.

Worker/Workplace Safety

Session Name	Session	Total # of		Total # of participants					Total Participant
Session name	Length [hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours
Pipe Operations Safety	6	1	50					50	300
TOTAL	6	1	50					50	300

Highway Safety

Session Name	Session Length Total # of			Total # of participants					Total Participant
Session Name	[hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours
Work Zone Safety									
Awareness Program	6	1	10		2		13	25	150
Traffic Control									
Coordinator		_					_	_	
Program	32	1					7	7	224
Proposed									
Changes to the									
MUTCD	2	1	15		5		45	65	130
MUTCD Update									
for Public Works									
	3	1	20					20	60
TOTAL	43	4	45		7		65	117	564

Infrastructure Management

Session Name	Session Length	Total # of	otal # of Total # of participants			Total # of	Total Participant		
Session Name	[hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours
Bridge Maintenance for									
Locals	6	1	49			1		50	300
Electrical Signal Design	12	2	57			1		58	696
TOTAL	18	2	106			2		108	996

Workforce Development

Session Name	Session Total # of		Total # of participants					Total # of	Total Participant	
Session Maine	Length [hours]	Sessions	Local	Tribal	State	Federal	Other	Participants	Hours	
Employee Performance and										
Discipline	3	1	17					17	51	
National Summer Transportation										
Institute	7	20					24	24	3,360	
TOTAL	10	21	17				24	41	3,411	

Newsletter / Published Resources Data

Circulation

Name of	Circulation						
Newsletter	Local	Tribal	State	Federal	Other		
Just the CAIT LTAP FAX	2,019	8	923	161	732		

Number of Articles per Focus Area

Newsletter Issue		Safety	Workforce	Infrastructure		
Newsietter issue	Highway	Worker	Work Zone	Development	Management	
Volume 10,	1			4	4	
Number 6	1			4	4	
Volume 10,	2			1	r	
Number 7	3			1	2	
Volume 10,	1	2	1	2	2	
Number 8	1	2	1	2	2	

Materials Distribution Data

Material Trusca		Safety	Workforce	Infrastructure	
Material Types	Highway	Worker	Work Zone	Development	Management
Publications	125	50	185	65	58
CDs					
Videotapes					
DVDs					
Downloads					
Others [insert]					
TOTAL:	125	50	135	65	58

Technical Assistance Data

Estimate the total percentage of time spent by your Center staff providing technical assistance during the past quarter: 30%



Activities Related to Program Stakeholders

Organization			Ac	tivities		
	# of times center distributed information for this organization (mail, e-mail, fax, etc.)	# of joint training sessions	# of joint conferences	# of joint special programs	# of articles reprinted in LTAP/TTAP newsletters from this organization	# of center staff participating in national program efforts
		Nat	ional Stakehol	ders		
FHWA (HQ, Resource Center)	5			1	3	2
AASHTO					1	
NACE						
APWA	5				5	2
TRB						1
Salt Institute						
		State	/Local Stakeho	olders		
FHWA Division						2
State DOT/govt	1			1		3
AASHTO Chapter						
NACE Chapter						1
APWA Chapter	5	2	1			2
ITE	2	2				2
	Τ	C	ther Stakeholde	rs		T
NJ Society of Municipal Engineers						1
NJ Div of Highway Traffic Safety		2				2
NJ Asphalt Pavement Assoc.	1					1
NJ WZS Partnership	2					2

- 1. Progress this quarter by task, with specific deliverables:
 - A. Maintain Contact Lists
- The email list was updated for current New Jersey Mayors.

Revisions/Deletions	Ongoing
Mayors Added to Email List by Invitation	August 2008

- B. Publish Newsletter
- 3,843 individuals received each issue of the newsletter. Three issues of the newsletter were produced during this quarter. Electronic distribution of the newsletter occurred via e-mail.

Volume 10, Number 7	July 2008
Volume 10, Number 8	August 2008
Volume 10, Number 9	September 2008

- C. Distribute Technology Transfer Materials
- 483 technical materials were distributed this quarter.

NJDOT Work Zone Safety Setup Guide	July-September 2008
Maintenance of Signs and Sign Supports for Local Roads & Streets	August 2008
New MUTCD Retro-reflectivity Requirements	September 2008

D. Provide an Information Service

Technical Assistance

	88
GPRI Conference Planning Meeting	July 1, 2008
NLTAPA Executive Committee Meeting	July 7, 2008
National LTAP Conference	July 13-17, 2008
NJ Work Zone Safety Partnership Meeting	July 24, 2008
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Pavement Management Systems Meeting w/NJDOT	August 15, 2008
NLTAPA Executive Committee Meeting	August 18, 2008
RSA Project Interview with FHWA	August 19, 2008
Alternative Fuels Roundtable	August 20, 2008

Ongoing



Rubber Asphalt Conference Planning Meeting	August 20, 2008
Northern Engineers Meeting	September 4, 2008
Rutgers Paving Conference Planning Meeting	September 4, 2008
TRB Tech Transfer Committee Mid-Year Meeting	
NLTAPA Executive Committee Meeting	September 9-10, 2008
APWA NJ Executive Committee	September 17, 2008
NJ Work Zone Safety Partnership Meeting	September 18, 2008
RSA Peer Group Network Meeting	September 25, 2008

E. Training

National Summer Transportation Institute	July 7- Aug. 1, 2008
Employee Performance and Discipline	July 17, 2008
Electrical Signal Design	July 31-Aug. 1, 2008
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Work Zone Safety Awareness Program	September 9, 2008
Bridge Maintenance for Locals Workshop	September 16, 2008
Proposed Changes to the MUTCD	September16, 2008
Electrical Signal Design	September 17-18, 2008
MUTCD Update for Public Works	September 18, 2008
Pipe Operations Safety	September 24, 2008

F. Evaluate the Effectiveness of the Program

Course Evaluations	Ongoing

July – September 2008 Quarterly Report September 2008

G. Special Projects

Interviews with NJDOT Research Customers	July-September 2008
Draft of 2004 and 2005 Implementation Study	September 2008

2. Proposed activities for next quarter by task:

A. Maintain Contact Lists

- The mail list will be continually be updated on an as needed basis.

B. Publish Newsletter

- The NJ LTAP newsletter will remain on a monthly publishing schedule.

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- NJ LTAP staff will continue to serve on various committees of professional organizations.

E. Provide Training Courses

- Training programs are scheduled for the next quarter in the following areas:

Traffic Control Coordinator Program
Work Zone Safety Awareness Program
Road Scholar One Program
Road Scholar Two Program
Traffic Engineering
Transportation/Infrastructure Seminars

F. Evaluate Effectiveness of Program

- Evaluations will continue to be distributed at each program.
- A Stakeholder Committee meeting will be held in October 2008.
- A Steering Committee meeting will be held every other month and/or on an as-needed basis to review program activities and initiatives, as well as to set long-term goals.

G. Special Projects

- Final Report of 2004 and 2005 Implementation Study results
- 4. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.

5. Problems/Proposed Solutions:

Year 1 Budget	\$60,000
Years 1 & 2 Cumulative Budget	
Years 1, 2 & 3 Cumulative Budget	
Total Project Budget	\$60,000
Modified Contract Amount:	\$
Total Project Expenditure to date	\$43,638
% of Total Project Budget Expended	72.73%

NJDOT Research Project Manager Concurrence:	Date:
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